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State Teachers College Bulletin

BUFFALO, NEW YORK

VOL. IV. No. 5



EXTENSION COURSES

AUGUST—1936

1936-1937

One of Five Publications Issued by State Teachers College at
Buffalo, N. Y.: In March, April, May, August, and November

Entered as Second Class Mail Matter November 3, 1932, at the Post
Office at Buffalo, N. Y., Under the Act of Congress
of August 24, 1924

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State Teachers College Bulletin

BUFFALO, NEW YORK VOL. IV, No. 2



EXTENSION COURSES

AUGUST—1936

1936-1937

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THE FACULTY, 1936-1937

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Chester G. Schoenborn, B.S. in Bus. Ad.....Assistant Director of Extension
Marion A. Clark, A.B.....Financial Secretary
Frances G. Hepinstall, B.S.....Librarian
Isabel H. Kideney, A.B.....Registrar

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Anna M. Gemmill, A.M.....Assistant Professor of Science
Oscar E. Hertzberg, Ph.D.....Professor of Psychology
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Irene Hirsch, A.M.....Instructor in Kindergarten—Primary Method
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Ralph Horn, Ph.D.....Professor of Education and Director of Extension
Harry C. Johnson, A.M.....

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Martha G. Metz, A.M.....First Grade Critic
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George B. Neumann, Ph.D.....Professor of Sociology
Ruth Palmer, M.S.....Instructor in Foods
Irving C. Perkins, A.M.....Professor of Vocational Education
Harold F. Peterson, Ph.D.....Instructor in Economics and History
Chester A. Pugsley, D.Ed.....

Professor of Elementary School Education

and Principal of the Practice School

George M. Quackenbush, A.M.....Assistant Professor of Vocational Education
Margaret S. Quayle, Ph.D.....Assistant Professor of Education
Catherine E. Reed, A.M.....Dean of Women
Charles C. Root, A.M.....Professor of Education
John M. Thurber, Ph.D.....Professor of English
Charles A. Vail, A.M.....Instructor in Science
George Webster, A.M.....Principal School No. 62
Katheryne T. Whittemore, Ph.D.....Assistant Professor of Geography
Kate V. Wofford, Ph.D.....Professor of Rural Education

FRIDAY AFTERNOON COURSES

4:20-6:00 P.M.

FIRST SEMESTER

American History before 1789.....	Mr. DeMond	Room	118
Library Use in Teaching and Research			
Miss Hepinstall and Mrs. Ganey	Room	204	
Mental Hygiene (A).....	Dr. Quayle	Room	218
Principles and Problems of Secondary Education			
Mr. Quackenbush	Room	222	

SECOND SEMESTER

Literature for Elementary Grades.....	Miss Hirsch	Room	214
Mental Hygiene (B).....	Dr. Quayle	Room	218
Modern Developments in the Arts.....	Mr. Bradley	Room	205

SATURDAY COURSES

FIRST SEMESTER

First Period 9:00-10:40 A.M.

Art in the Activity Program.....	Mrs. Heyman	Room	209
Consumer Education			
Miss Kever, Miss Palmer and others	Room	223	
Geography of North America.....	Dr. Whittemore	Room	114
History of American Education.....	Mr. Root	Room	222
Individual Differences	Dr. McCrory	Room	217
Modern Continental Literature I.....	Mr. Hodgkin	Room	218
Physical Science for the Grade Teacher.....	Mr. Vail	Room	V-208
Supervision (Vocational Education).....	Mr. Perkins	Room	221
Supervision of the Elementary School (A).....	Dr. Pugsley	Room	112
Visual Aids in Education.....	Mr. Fontana	Room	204

Second Period 10:50 A.M.-12:30 P.M.

Advanced Vocational Guidance.....	Mr. Morrice	Room	222
Art Appreciation.....	Mr. Bradley	Room	204
College Algebra	Mr. Phillippi	Room	116
Elementary School Curriculum (A).....	Mr. Webster	Room	107
Elementary School Methods in Science.....	Mrs. Gemmill	Room	106
General Psychology.....	Dr. Hertzberg	Room	220
Language Arts in the Elementary School			
Misses Allen, Hirsch and Metz	Room	221	
Principles of Economics.....	Dr. Peterson	Room	118
Principles and Problems of Personnel Work and Guidance			
Dean Reed	Room	218	
Shakespeare I.....	Dr. Thurber	Room	217

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SECOND SEMESTER

First Period 9:00-10:40 A.M.

Art in Everyday Life.....	Mr. Czurlas	Room	211
Botany	Mr. Metz	Room	V-208
Contemporary Poetry.....	Mr. Hodgkin	Room	218
History of Europe Since 1914.....	Miss Englebreck	Room	117
Modern Social Trends.....	Dr. Neumann	Room	228
Penmanship II.....	Miss Chapman	Room	120
Principles of Education.....	Dr. Horn	Room	222
Solid Geometry	Mr. Ebert	Room	116
Supervision of the Elementary School (B).....	Dr. Pugsley	Room	112
History of the Niagara Frontier	Mr. Bingham	Room	223

SECOND SEMESTER

Second Period 10:50 A.M.-12:30 P.M.

Caribbean Interests and Policies of United States Since 1898	Dr. Peterson	Room	118
Education in a Changing World.....	Dr. Wofford	Room	112
Educational Measurements.....	Dr. McCrory	Room	222
Elementary Microbiology.....	Miss Dupre	Room	V-210
Elementary School Curriculum (B).....	Mr. Webster	Room	107
Guidance thru Extra-Curricular Activities.....	Dean Reed	Room	218
Junior High School Organization.....	Mr. Johnson	Room	106
Parent Education.....	Miss Allen and Miss Metz	Room	221
Psychology of Adolescence.....	Dr. Hertzberg	Room	220
Recreational Crafts	Mr. Fontana	Craft Shop	
Shakespeare II.....	Dr. Thurber	Room	217

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CALENDAR, 1936-1937

1936

FIRST SEMESTER

Saturday, September 19, 9:00-11:00 A.M.—Registration
11:00-11:55 A.M.—First hour Classes Meet
12:00 M.-12:55 P.M.—Second hour Classes Meet

(All students are expected to register on this date)

Friday, September 25, 4:00-4:20 P.M.—Registration for Friday Classes
4:20 P.M.—Friday Classes Meet

Friday, October 2, No registration for credit in Friday Classes after
4:30 P.M.

Saturday, October 3, No registration for credit after 9:00 A.M. for
any classes

No change in schedules after 9:00 A.M.

Friday and Saturday } Zone Meeting, New York State Teachers
October 30-31 } Association. (Holiday)

Friday and Saturday } Thanksgiving Recess (Holiday)
November 27-28 }

Friday, December 18 thru } Christmas Recess (Holiday)
Saturday, January 2, 1937 }

1937

Friday, January 8, Classes Resume Work
Friday and Saturday Final Examinations
February 5 and 6 First Semester Ends

SECOND SEMESTER

Saturday, February 6, 9:00 A.M.-12 M.—Registration
(All students are expected to register on this date)

Thursday, February 11, 4:00-4:20 P.M.—Registration for Friday Classes
(Note change of day due to Lincoln's Birthday) 4:20 P.M.—Friday Classes Meet

Saturday, February 13, 9:00 A.M.-12:30 P.M.—Saturday Classes Meet
Saturday, February 20, No registration for Credit in Saturday Classes
after 9:00 A.M.

Friday, February 26, No Changes in Schedules for Friday Classes
after 4:20 P.M.

Friday, March 26 thru Easter Recess (Holiday)

Saturday, April 3 Classes Resume Work

Friday, April 9, Final Examinations—Second Semester Ends

Friday and Saturday June 4 and 5 Commencement Program

June 12, 13, 14 and 15,

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REGULATIONS

1. Teachers in service and properly qualified undergraduates will be admitted to Extension courses, subject to such restrictions as are hereafter noted.
2. The first semester begins September 19, and closes February 6, 1937. The second semester begins February 11 and closes June 5, 1937. All classes will be held at State Teachers College unless otherwise noted. Saturday class periods are from 9:00 to 10:40 A.M. and from 10:50 A.M. to 12:30 P.M. Friday classes are from 4:20 to 6:00 P.M.
3. All students are expected to register on the dates indicated in the calendar on Page 6. No deviation will be permitted from the dates indicated in the calendar.
4. A fee of \$7.50 is charged for each semester hour. Special exceptions may be made in the case of regular students and faculty. No refunds will be made unless the course is discontinued. Fees are payable at registration.
5. The State Department of Education will not accept more than four hours in any given semester for credit toward a teacher's certificate or diploma.
6. No student will be allowed more than two absences in a fifteen session course, or more than three absences in a twenty-three session course. *Late registration will count as an absence.*
7. While credit is granted for the completion of all credit courses, the application of such credit to the specific program of any student is subject to the approval of the registrar. Extension credit is transferable to other academic institutions, in accordance with the regulations of such institutions.
8. Students are urged to examine the course descriptions carefully. Variation from the year indicated in the catalog should not exceed one year and that only with permission.
9. Candidates for degrees are allowed five years in which to complete each year of credit required for the degree. Students earning less than one year of credit in any five-year period shall be subject to any new regulations which may be adopted during that period.
10. If a student wishes to be considered a candidate for a degree he is expected to secure, either by mail or by personal interview, evaluation of his program from the registrar in order that he may be sure that work taken will fit his individual need.

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11. Students taking extra-mural courses are warned not to expect credit if such courses fall within the last sixteen hours of required residence.
12. Transcripts of record are not given to students, either undergraduate or graduate, but will be forwarded upon request to educational authorities whom the students may designate. No charge is made for the first transcript, but a charge of \$1.00 is made for each additional transcript.
13. The registrar's office cannot ordinarily furnish transcripts of record during registration week of any semester and, because of the large number of requests, students are urged to make application for transcripts some time before the date on which they are needed.
14. All courses in extension are expected to require the same standard of serious effort as similar courses given during the regular session. To this end, courses carrying two semester hours of credit assume a minimum preparation of two clock hours devoted to reading and preparation for each meeting of the class, and some courses may require considerably more than the minimum of preparation and outside study.
15. The right is reserved to make any necessary alterations in the course offerings listed in this catalog without notice.

APPLICATION FOR DIPLOMA

Students expecting to qualify for degrees in January or June of any year are required to make application in the registrar's office for such degree by November 1 of the year in which they expect to graduate. Diplomas will not be ordered for students who fail to make application, and the College cannot be responsible for the graduation of any who fail to make application. Students completing the requirements for the degree during the Summer Session are required to make application for the degree before the close of the Summer Session.

DESCRIPTION OF COURSES

ART

Art X171. Art in the Activity Program.

The organization and development of art activities for the Elementary grades. Manipulation of the various materials and the application of art principles involved. The problems may include modeling puppets, shadows, masks, small stage sets, paraffine prints, and the different methods of illustrating stories. Problems will be varied to meet individual needs. This course should be of special interest to Elementary teachers developing progressive methods of teaching. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A.M. Room 209. Two semester hours credit. Mrs. Heyman.

Art X301. Art Appreciation.

Art principles as applied in the fine and useful arts. The appreciation of the arts of building, sculpturing, and painting. The minor arts of various lands. Visits to the Art Gallery and the Museums. Readings, lectures, and discussions. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 204. Two semester hours credit. Mr. Bradley.

Art 304. Art in Everyday Life.

A study of Art principles and their application in the selection and arrangement of the acquisitions of life; on the person, in the home, in the school, office or industrial establishment. Open to students of all departments as an elective course.

Second semester, Saturdays, 9:00-10:40 A.M. Room 211. Two semester hours credit. Mr. Czurles.

Art X472. Recreational Crafts.

Craft work as a recreational activity or in preparation for High School crafts. Design is applied to textiles, leather, wood and metal. Batik dyeing, leather tooling, wood carving, and simple metal work are used as means of executing designs. Individual interest may be developed and work may be done in any or all of the four materials named. Students will be expected to purchase their own materials for the selected projects. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Craft Shop. Two semester hours credit. Mr. Fontana.

Art X474. Modern Developments in the Arts.

The changes in the arts which are significant of modern tendencies. Various speakers will present a review of the developments in the following arts: Architecture, sculpture, painting, music, poetry and drama. Art is

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the product of the culture which produced it. This course is an attempt to evaluate the culture of our times in terms of the arts. Third and Fourth Year elective.

Second semester, Fridays, 4:20-6:00 P.M. Room 205. Two semester hours credit. Mr. Bradley and others.

15.

Ed. X303. Educational Measurements.

Aims to give elementary teachers sufficient acquaintance with standard tests and scales to enable them to use such instruments for the improvement of classroom instruction. Topics treated: Nature of measurement, historical development; fundamental considerations to be observed in using tests; bases for selection of tests; classification of measuring materials; a testing program; faults of traditional measures; improvements in school examinations; diagnosis and remedial treatment. For all departments. Required of third year students.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 222. Two semester hours credit. Dr. McCrory.

16.

Ed. X304. History of American Education.

A brief study of the evolution of our American State school system, including the European background, transplanting of European ideas, their adaptation to American conditions, and the establishment of our State system, and the recent rapid expansion and extension of that system to meet the needs of our modern life. Required of Juniors.

First semester, Saturdays, 9:00-10:40 A.M. Room. 222. Two semester hours credit. Mr. Root.

17.

Ed. X305. Principles of Education.

Aims to integrate for teachers the details of educational theory and practice represented by the preliminary courses in education, psychology and biology, thus furnishing them with a unified body of educational doctrine. This is accomplished by viewing the educational process as the "life process." From the natural laws of this process are developed the fundamental principles and goals for education. Considerable time will be devoted to the fundamentals of New York State School Law. Required of all Third Year students.

Second semester, Saturdays, 9:00-10:40 A.M. Room 222. Two semester hours credit. Dr. Horn.

18.

Ed. X401. Junior High School Organization.

The special purposes of the institution and the characteristics of the school designed to achieve these purposes are the main features of the course. Subjects of study: The guidance program; extra-curricular activities; provisions for the exploratory function of adolescent children; provision for individual differences by homogeneous grouping; the staff; the Junior High

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school plant; the history of the movement and tendencies toward standardization. Required of Fourth Year students in the Grammar grade curriculum.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 106.

Three semester hours credit. (An additional hour will be added at a time to be agreed upon.) Mr. Johnson.

Ed. X420. Elementary School Curriculum (A and B)

It is the purpose of this course to acquaint teachers with the nature, composition, and use of the well constructed curriculum, and develop skill in determining acceptable subject aims, content, and method. Topics to be treated: The curriculum reflects the nature of society; functions the public Elementary school should perform; setting up general and specific aims consistent with these functions; selection of curriculum content for the major school subjects; the place of method and outcomes in the curriculum. For Fourth Year and properly qualified Third Year students. Required in the Fourth Year for Kindergarten-Primary and Intermediate grade students. Recommended for candidates for Elementary Principal's license.

(A)—First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 107. Two semester hours credit. Mr. Webster.

(B)—Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 107. Two semester hours credit. Mr. Webster.

Ed. X433. Visual Aids in Education.

This course will deal with:

1. An analysis and interpretation of the meaning of the term of visual education.
2. A comprehensive study of the types of visual aids, their development and the principles involved in their use.
3. A complete study of the mechanics of visual education, dealing with:
 - a. Study of photographic process and its applications to many phases of visual education.
 - b. An analysis and study of cameras, developing, enlarging, reduction, copying, and slide making.
 - c. Study and use of film, slide, and opaque projections, stereopticons, standard and narrow gauge projectors, and a study of the relative costs of each.
4. The organization and use of visual education by each student for his particular field.

First semester, Saturdays, 9:00-10:40 A.M. Room 204. Two semester hours credit. Mr. Fontana.

Ed. X438. Education in a Changing World.

This course is designed to develop for both urban and rural teachers a background of education against a changing social order. It will cut across many fields, namely: Sociology, Economics, History, and Philosophy. The philosophy, the curriculum organization, and the techniques of the new school will be stressed. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 112. Two semester hours credit. Dr. Wofford.

14.

Ed. X442. Supervision of the Elementary School (A). Leadership of Teachers.

The objective of this course is to comprehend the work of the principal as a professional leader of teachers. Leadership of teachers; building an educational philosophy for the school; the principal in relation to other administrative and supervisory officers; classroom visitation and the analysis of teaching and learning; the nature of learning; supervisory conferences; teachers' meetings; curriculum building; demonstration teaching; directed observations; the use of specialists; and other instruments for the improvement of teaching and learning.

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Open to principals, supervisors, experienced teachers, and to others specially qualified.

First semester, Saturdays, 9:00-10:40 A.M. Room 112. Two semester hours credit. Dr. Pugsley.

Ed. X443. Supervision of the Elementary School (B). Evaluation of the Elementary School.

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The objective of this course is to develop a use acquaintance with the instruments for evaluation and to apply the implications of the data obtained. Programs for testing achievement and scholastic aptitudes; measuring the amount of over-ageness, normal ageness and under-ageness; determining acceleration and retardation; evaluating the effectiveness of the school organization, record systems, educational services and school buildings; the principal's annual report.

Second semester, Saturdays, 9:00-10:40 A.M. Room 112. Two semester hours credit. Dr. Pugsley.

Ed. X455. Principals and Problems of Personnel Work and Guidance.

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This is a basic course designed for teachers and others interested in the guidance function in the public schools. Consideration will be given to the present day objectives and principles of guidance; the function of the curriculum; the home room; extra-class activities; the class-room teacher; the principal, counselor, dean and other specialists in a guidance program; the techniques of guidance including counseling, record keeping, group conferences, coordination of guidance activities, contacts with parents, community agencies, etc.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 218. Two semester hours credit. Dean Reed.

18.

Ed. X457. Guidance Through Extra-Curricular Activities.

Of especial interest to home-room teachers, club sponsors and sponsors of other out-of-class pupil activities. Deals with the cooperation, administration, and participation in extra curricula; such as clubs, athletics, assemblies, publications, student government, honor societies, musical and literary activities, plays and social events. Emphasizes the guidance opportunities afforded through these activities together with their value in developing personality and leadership ability. An especial effort is made to relate extra-curricular life to the rest of the school program and to the out-of-school hours. A brief consideration of Scouting, Camp Fire, Girl Reserves, 4-H clubs is included.

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Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 218. Two semester hours credit. Dean Reed.

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ENGLISH**Eng. X310. Penmanship II.**

The students enrolled in the Handwriting classes have the opportunity of gaining a thorough understanding of the science of Handwriting and the mastery of a process that produces swiftly and easily a legibility of high quality for both paper and blackboard use.

Much attention is given to the development of ways and means of helping children to meet successfully their Handwriting problems.

Discussion of the trends in the Handwriting practices leads to comparisons of systems and styles; examinations of various courses of study and the construction of one; a review of experiments and the making of some; a study of the Handwriting scales; and various other interesting phases of Handwriting required of general College Juniors.

Second semester, Saturdays, 9:00-10:40 A.M. Room 120. Two semester hours credit. Miss Chapman.

Eng. X411. Modern Continental Literature I.

A study of the representative plays and dramatic criticism of the principal European writers belonging to recent years, greatly broadening the knowledge of background, and increasing the basis of international understanding. The list of plays will include representative selections from such authors as Andreyev, Brieux, Ibsen, Bjornson, Maeterlinck, Rostand, Strindberg, Tchekhov, Hauptman, Pirandello and Anatole France, thus affording a wide field of choice. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A.M. Room 218. Two semester hours credit. Mr. Hodgkin.

Eng. X414. Contemporary Poetry.

An introduction to the chief figures and tendencies in twentieth century poetry, English and American. Considerable attention is directed toward critical standards, and, as may be desired, opportunity will be offered for criticism of creative writing on the part of members of the class. Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:40 A.M. Room 218. Two semester hours credit. Mr. Hodgkin.

Eng. X415. Shakespeare I.

The careful reading and analysis of a group of the principal comedies, histories, and tragedies of Shakespeare with the purpose of revealing the characters, the thought, and artistry of the plays. Such a study is intended to provide a distinct contribution to the teacher in developing skill in dramatization and familiarity with plot material and plot development. Upper-class elective.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 217. Two semester hours credit. Dr. Thurber.

Eng. X416. Shakespeare II.

Continues the study of Shakespeare, using different comedies, histories, and tragedies than those included in course X415. Shakespeare I is not neces-

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sarily prerequisite. Elective for Third and Fourth Year students. Two semester hours credit.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 217. Two semester hours credit. Dr. Thurber.

Eng. X425. Literature for Elementary Grades.

This course attempts to bring the teacher's knowledge up to date regarding the books which children read. It will include a survey of the history and development of children's literature; the standards guiding the selection of books and a critical evaluation of recent publications in this field. Special attention will be given such material as poetry, fairy tales, biography, travel, adventure, illustrators and best editions. Designed for Kindergarten-Primary, Intermediate and Rural teachers. Third and Fourth Year elective. Not open for credit to those who have had Juvenile or Children's Literature since 1930.

Second semester, Fridays, 4:20-6:00 P.M. Room 214. Two semester hours credit. Miss Hirsch.

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ECONOMICS, HISTORY AND SOCIOLOGY

Ec. X301. Principles of Economics.

The essential purpose of this course is the acquirement of a working knowledge of sound economic theory in order that the phenomena of the industrial and commercial world may be understood. The customary division of the science is followed: production, exchange, distribution, consumption. Attention is given to labor and reform movements. Required of all Juniors in the General College and Industrial Arts departments.

First semester, Saturdays, 10:50 A.M. to 12:30 P.M. Room 118. Two semester hours credit. Dr. Peterson.

17.

Ec. X303. Consumer Education. Problems in Consumer Buying.

A study of (a) the nature and importance of the problems confronting the consumer, (b) the economic principles underlying consumption, (c) the protection given consumers by Federal and State laws, and (d) markets and costs of marketing. Detailed studies will be made of many commodities commonly used, such as, foods, clothing, household textiles, furniture, electrical equipment, cleaning reagents, cosmetics, and drugs. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A.M. Room 223. Two semester hours credit. Miss Keever, Miss Palmer, and others.

18.

Hist. X400. American History Before 1789.

The conditions in Europe during the fifteenth and sixteenth centuries which influenced the discovery and settlement of the new world are considered. The economic factors of this period will be studied as an important cause of the Revolution. The struggle of the English colonies with the mother country for independence will be stressed. Third and Fourth Year elective.

First semester, Fridays, 4:20-6:00 P.M. Room 118. Two semester hours credit. Mr. DeMond.

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Hist. X408. History of Europe Since 1914.

The causes, events, and results of the World War; the treaty settlements; post-war developments and problems; present areas of friction; the League of Nations, World Court, and other efforts at international co-operation and Peace. Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:40 A.M. Room 117. Two semester hours credit. Miss Englebreck.

Hist. X412. Caribbean Interests and Policies of the United States Since 1898.

A survey of the diplomatic and commercial relations of the United States with the Caribbean states—Cuba, Haiti, the Dominican Republic, Mexico, the Central American States, Panama, Colombia, and Venezuela since the Spanish-American War. Such events as the Platt Amendment, the Panama Canal, the recent revolution in Cuba, and such policies as the Monroe Doctrine, "Dollar Diplomacy," Pan Americanism, commercial and financial penetration, intervention, and the "New Deal" are accented. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 118. Two semester hours credit. Dr. Peterson.

Soc. X401. Modern Social Trends.

Two types of problems are considered: (1) the major difficulties arising as society seeks to increase and distribute human adequacy; (2) the more important maladjustments constituting social pathology. Special consideration is given to the significance of these problems for teachers. Among the units discussed in the course are the following: the nature and cause of social changes and the power of society to control them; the changes occurring in our natural resources; population; distribution of wealth and income; the family; rural and urban life; activities of women outside the home; delinquency and crime; public opinion and propaganda. Third and Fourth Year elective. Prerequisite: an introductory course in sociology or consent of the instructor.

Second semester, Saturdays, 9:00-10:40 A.M. Room 223. Two semester hours credit. Dr. Neumann.

GEOGRAPHY

Geog. X302. Geography of North America.

A short study of the various bases for regional classification introduces the regional study of the continent. Economic factors are emphasized, but the economic and social behavior of man is found intimately related to the physical factors of the environment. The United States is the principal objective of study. The aim is to give some practice in professional geographic thinking as applied to small regions, and a major geographic division. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:50 A.M. Room 114. Two semester hours credit. Dr. Whittemore.

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KINDERGARTEN-PRIMARY

K.P. X407. Parent Education.

This course is planned especially for teachers in service, who wish to become acquainted with the underlying principles, trends, and techniques connected with this rapidly increasing movement.

Consideration will be given to teachers' needs for special study of children's families; and to the motives influencing parent-child relationships and their consequent effect on school life. The relation of parent education to the broader program of adult education will be stressed.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 221.
Two semester hours credit. Miss Allen and Miss Metz.

K.P. X410. Language Arts in the Elementary School.

In this course a survey will be made of the areas of child interest which stimulate different types of language expression and reading programs. Recent series of readers for the elementary school will be presented; their breadth of material and variety of program will be considered. Formal and informal testing leading to remedial work, types of English experiences such as dramatics, choral speaking, ability to write with facility, to create and appreciate the best in poetry and prose will be discussed. Open to teachers from kindergarten through sixth grade. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 221. Two semester hours credit. Miss Allen, Miss Hirsch and Miss Metz.

LIBRARY

Lib. X300. Library Use in Teaching and Research.

Library use in elementary and secondary school teaching.

Purpose:

1. To show students how to use books and reference materials in teaching language and literature, social sciences, natural sciences.
2. To teach students how to impart this information to children in the schools by means of library lessons.
3. To help them acquire that knowledge of literature for children which a teacher must have in order to assist children in their selection of leisure reading. Also planned to aid students in locating materials for term papers or problems in research, instruction in use of special reference materials and practical bibliography making.

First semester, Fridays, 4:20-6:00 P.M. Room 204. Two semester hours credit. Miss Hepinstall and Mrs. Ganey.

MATHEMATICS

Math. X402. College Algebra.

A rapid review of High School algebra is followed by studying mathematical induction, graphical interpretation of formulae, theory of equations, the formation and use of logarithms and such other topics as are necessary

for the study of trigonometry, analytics and calculus. Prerequisite: Intermediate algebra. Elective.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 116. Two semester hours credit. Mr. Phillippi.

Math. X403. Solid Geometry.

A study of intersecting planes, rectangular and oblique solids, such as the cylinder, pyramid and cone, spheres and spheric surfaces. Students are encouraged to aid their visualization by making models to illustrate proportions. Practical applications are continually kept in mind. Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:50 A.M. Room 116. Two semester hours credit. Mr. Ebert.

SCIENCE

Sc. X206. Botany.

A study of the structure and physiology of the various types of plant life, designed to serve as a background for interpreting the various botanical units in the new science syllabus. While the major work of the course is necessarily on a college level, demonstrations, activities and experiments, suitable for use at the various grade levels, are used as illustrative material.

Given as an elective in the science sequence in the new curriculum but may be credited on the old curriculum.

Second semester, Saturdays, 9:00-10:40 A.M. Room V-208. Two semester hours credit. Mr. Fretz.

Sc. X305. Physical Science for the Grade Teacher.

A survey of the physical sciences, embracing chemistry and physics; proceeding toward that organization of practical situations, activities and phenomena, which are recognized as dealing directly with the mechanisms and appliances of everyday life, and the teaching of these in the grades. A great many demonstrations suitable for grade teaching will parallel the discussions. Students will be encouraged to plan and give some of these demonstrations. It is hoped that the course will aid the teacher with the State science syllabus. Third and Fourth year elective.

First semester, Saturdays, 9:00-10:40 A.M. Room V-208. Two semester hours credit. Mr. Vail.

Sc. X412. Elementary School Methods in Science.

Special attention is given to the new syllabus in Elementary Science for the Elementary schools. The materials of the State syllabus will form the main part of the course. Conventional classroom procedure, methods for conducting field trips, and activities which may aid in carrying out the proposed program, form the basis for discussion and study.

A reasonable familiarity with the literature which is available for the teacher of such science work will be acquired by the end of the course. Some knowledge of other outstanding State programs will be given. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 106. Two semester hours credit. Mrs. Gemmill.

14. Sc. X415. Elementary Microbiology.

A study of bacteria, yeast, and molds and their relations to man. The laboratory work will include cultivation and growth of these organisms with special emphasis on methods that may be used with the science syllabus of the elementary grades. Students will be required to pay a special breakage or materials fee or purchase necessary items for the course. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room V-210.
Two semester hours credit. Miss Dupre.

15. PSYCHOLOGY

16. Psy. X303. The Psychology of Adolescence.

A study of psychological problems involved in guiding, teaching, and controlling adolescent pupils. To get a thorough understanding of the adolescent pupil and his development, attention will be given to the following topics: Changes in the high school population; development of the adolescent physically, emotionally, socially, morally, religiously, intellectually; types of adolescents such as the normal adolescent, the delinquent adolescent, the emotional deviate, the intellectual deviate; the adolescent's environment as it relates to his home, school, and community; adolescent development in relationship to adulthood. Required of grammar grade juniors. Prerequisites: Elementary, general, or educational psychology.

Second semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 220.
Two semester hours credit. Dr. Hertzberg.

17. Psy. X404. General Psychology.

The purpose of the course is to help the student to understand the workings of the mind in the individual's daily life and that it is subject to perfectly natural laws. The content of the course will be concerned with the following: Man and mind as a part of nature; man as a physiological organism; man and machine; man and society; how the various internal, evaluative, and determinative response patterns develop and are used in daily life; special response conditions as found in complexes, dreams, hypnosis, telepathy and mind reading; personality factors as found in personality development, conscience and moral order, and life values. Elective for Juniors and Seniors.

First semester, Saturdays, 10:50 A.M.-12:30 P.M. Room 220.
Two semester hours credit. Dr. Hertzberg.

18. Psy. X406. Mental Hygiene (A and B).

The concept of mental hygiene as fundamental to a child-centered educational program. Especial attention is given to mental hygiene as a determinant of curriculum, assignment and classroom management; and to symptomatology, diagnosis and treatment of maladjusted children. Each student will be required to conduct a self-survey and to make a detailed study of a maladjusted child. Third and Fourth Year elective.

Both semesters, Fridays, 4:20-6:00 P.M. Room 218. Two semester hours credit each semester. Dr. Quayle.

19. Psy. X410. Individual Differences.

Psychology of, nature, amount, and distribution of; differences in mental traits and their significance; mental inheritance; correlation of mental abilities; influence of sex, race, and maturity. Pedagogy of, maladjustment of schools to individual differences; typical plans to adjust to individual differences; characteristics of bright, average, and dull; application of these principles to subjects in which the class members are especially interested.

First semester, Saturdays, 9:00-10:40 A.M. Room 217. Two semester hours credit. Dr. McCrory.

VOCATIONAL-INDUSTRIAL COURSES

Requests for additional courses should be addressed to Mr. Irving C. Perkins, Director, Vocational-Industrial Department, State Teachers College, Buffalo, N. Y.

Voc. X431. Advanced Vocational Guidance.

This course will deal with the history of guidance; its relation to general education, the junior and senior high school, vocational education; the mediums of guidance; duties of the counselor; placement and follow-up; counseling; relation of psychological tests to guidance and counseling; cumulative records, etc. The class work will consist of discussions, supplemented by outside group discussion and readings.

First semester, Saturdays, 10:50 A.M.-12:50 P.M. Room 222. Two semester hours credit. Mr. Morrice.

Voc. X404. Supervision.

Topics as follows will be treated: The true meaning of supervision; the supervisor's place in the line-staff organization; improvement of the teaching act by visitation, analysis, and conference; selection of subject matter, text books, supplies and texts; organization and uses of teachers' meeting, demonstration lessons, and directed observation.

First semester, Saturdays, 9:00-10:40 A.M. Room 221. Two semester hours credit. Mr. Perkins.

Voc. X435. Principles and Problems of Secondary Education.

This course will include the study of a selected number of problems confronting high schools of the Niagara Frontier area. Special emphasis will be given to the problems of Industrial and Technical high schools. This will include such features as (1) Study of pupil admissions; (2) Student body types and courses of instruction relationships; (3) Types of instructional material and the correlations between liberal, related and industrial aspects in courses of instruction; (4) Types of jobs occupied by boys who graduate from local high schools as criteria for evaluation of work offered in high school.

This work will be introduced by a High School Analysis and followed by a summary of aspects brought out by the course.

First semester, Fridays, 4:20-6:00 P.M. Room 222. Two semester hours credit. Mr. Quackenbush.